MITSUBISHI ELECTRIC

AIR CONDITIONING SYSTEMS

Mitsubishi Electric Quality

Natural comfort for everybody

Mr.SLIM

R410A

MEPS COMPLIANT

MINIMUM EFFICIENCY PERFORMANCE STANDARD

Comfort takes on new meaning with the Power of Technology

Advanced technology makes Mr. SLIM Inverter the premier choice for improving comfort. It can provide energy savings of up to 70% annually when compared to non-inverter models! Operating noise has also been significantly reduced.

NEW REFRIGERANT

R410A

Our air conditioners use R410A, HFC refrigerant.

Mr.SLIM

Advanced Power Inverter

Thanks to the new Power Inverter system, a large reduction in power consumption is now possible !!

Large Range!

In addition to the single phase power supply models, three phase models have been introduced to suit different applications.

Outdoor Line-up (PUHZ-RP**HA2 series)				
	71	100	125	140
Single phase	●	●	●	●
Three phase		●	●	●

Super Quiet Operation

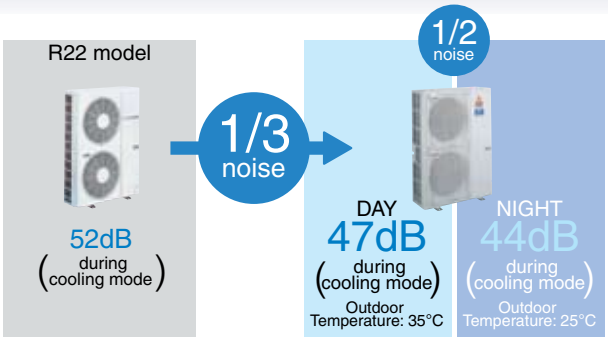
Technological Improvements for Ultra Quiet Operation

Super Quiet Operation —Top Level in the Industry

Ultra quiet operation has been achieved by improvements to the design of the fan blades and the new grille shape. The power inverter is even quieter in summer when the outside temperature drops especially at night, as it automatically switches to low-noise mode to reduce operating noise by 3dB.

Low-Noise Priority Function

A low-noise priority function is also available by connecting a commercially available timer or selector switch. When a signal is received from the timer or switch, the unit runs in low-noise priority mode.
(Switch setting is required when installed.)



	R22	R410A	
	Non-Inverter	Inverter (PUHZ-RP)	
		Normal	Low Noise Mode
3HP (71)	52	47	44
4HP (100)	54	49	46
5HP (125)	55	50	47
6HP (140)	56	50	48

*Sound pressure level (dBA)

Longer Maximum Piping Length

It is now possible to have piping up to 75 metres long, allowing greater installation flexibility.
NOTE: Additional refrigerant may be required.

Max Piping Length can be stretched to 75m		
	Max Height difference	Max.piping length
PUHZ-RP71	30m	50m
PUHZ-RP100/125/140	30m	75m

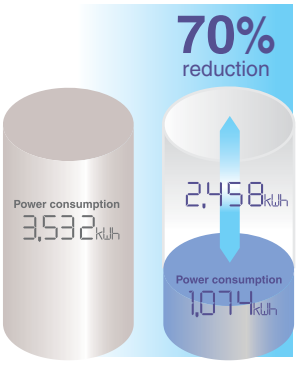
Reducing Energy Consumption

Cost Performance Comparison: Inverter Model vs. Non-inverter Model

Thanks to the new Power Inverter system, a large reduction in power consumption is now possible. This results in one of the highest COP ratings in the industry, helping to lower overall running costs and provide great savings to customers.

Case study 1. = Power Consumption

Based on our calculations on the operating conditions shown below, the new Power Inverter system can reduce power consumption by up to 70% compared to an old model installed 8 years ago!



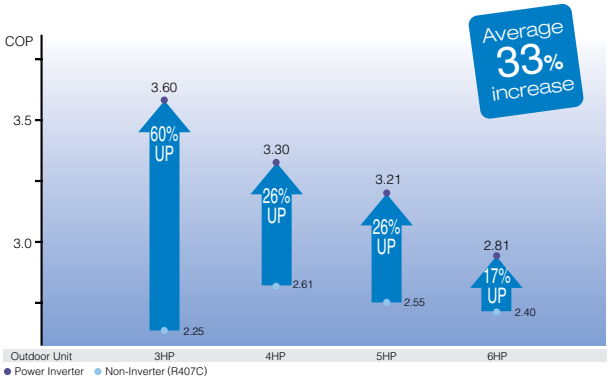
Conditions of trial calculation
(according to Japan Refrigerant Association)

Place	Office in Tokyo (Japan)
Operating time	8AM to 8PM (12 hours/day) & 6 days/week
Operating period	Cooling: April 16–November 8 Heating: December 14–March 23
Set temperature	Cooling: 27°C, Heating: 20°C

Before replacement: Installed 8 years ago	After replacement: Power Inverter
Model name PLH-3GKHB/ PUH-3YKA	Model name PLA-RP71AA/ PUHZ-RP71VHA

Case study 2. = COP

Comparison of COP between non-inverter and power inverter (4 way cassette type) models.



High Power

More Power for Faster Cooling/Heating

Higher Cooling/Heating Power

The cooling and heating capacities of the Mr. SLIM Power Inverter range have been improved by up to 35% compared to the previous R22 non-inverter models.

Cooling capacity — 4way cassette

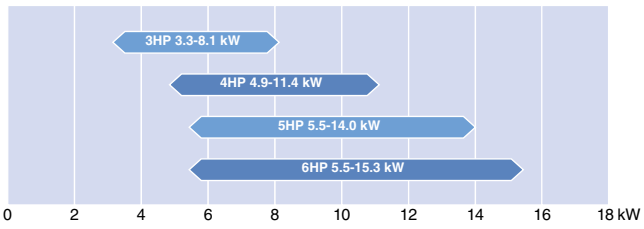
	R22 Non-Inverter	R410A Power Inverter Max. (PUHZ-RP)	
3HP (71)	7.7	8.1	105%
4HP (100)	9.7	11.4	118%
5HP (125)	12.4	14.0	113%
6HP (140)	14.0	15.3	109%

Heating capacity

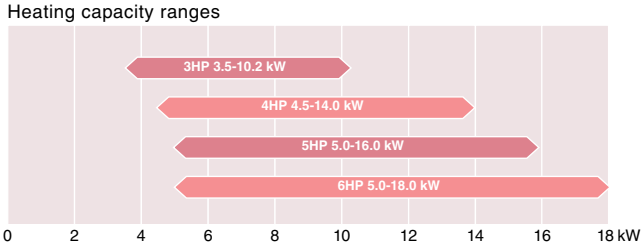
	R22 Non-Inverter	R410A Power Inverter Max. (PUHZ-RP)	
3HP (71)	8.4	10.2	121%
4HP (100)	10.4	14.0	135%
5HP (125)	14.0	16.0	114%
6HP (140)	16.1	18.0	112%

Mitsubishi Electric's advanced inverter technology gently increases or decreases power to suit the prevailing conditions reaching the desired temperature quicker, more efficiently without severe temperature fluctuations.

Cooling capacity ranges



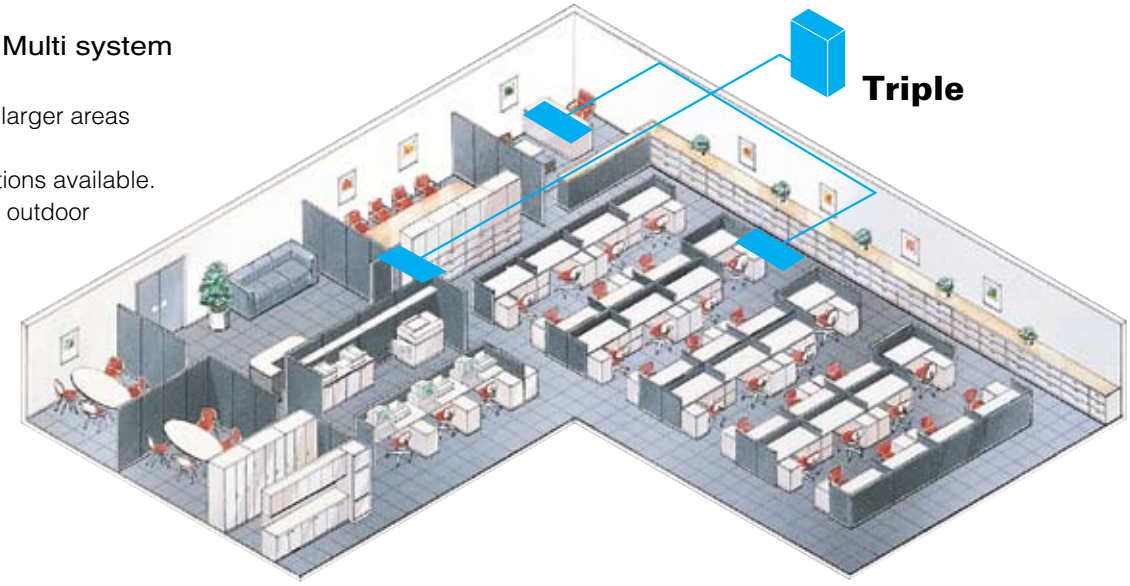
Heating capacity ranges



Multi-System Use

Advantages of Mr. SLIM Multi system

1) Superior air conditioning for larger areas using multiple indoor units.
2) Various indoor unit combinations available.
3) Reduced space required for outdoor unit installation.
4) Automatic address setting for easy installation.



System example

* All indoor units can be controlled by 1 remote controller
* Only simultaneous operation (on/off)

Combination chart (Same capacity–Same type or Different type)

Power Inverter	Twin	Triple
PUHZ-RP100	50 × 2	
PUHZ-RP125	60 × 2	
PUHZ-RP140	71 × 2	50 × 3
Distribution pipe	MSDD-50SR-E MSDD-50WR-E	MSDT-111R-E

Compact Inverter	Twin	Triple
PUHZ-BP100	50 × 2	
PUHZ-BP125	60 × 2	
PUHZ-BP140	71 × 2	50 × 3
PUHZ-BP200	100 x 2	71 x 3
PUHZ-BP250	125 x 2	71 x 3

For Distribution Pipe Connections – Refer Page 21: Optional Parts

NEW

Compact Inverter

Our New Compact Inverter features Energy Saving, Compact Design, Light Weight with Performance as well.

5 Types Indoor Units and 6 Models of Outdoor Units Respond to Your Versatile needs.

To suit your area and interior design there are 5 types to select from. A combination with different indoor units allows great flexibility to suit your requirements.

Possible Combinations

Class	PEA	PLA	PCA	PCA-HA	PKA
5.0kW			●		
6.0kW		●	●		
7.1kW	●	●	●	●	●
10.0kW	●	●	●		●
12.5kW	●	●	●	●	
14.0kW	●	●	●		
17.0kW	●				
20.0kW	●				
25.0kW	●				

*50/60/71 models are only for Twin/Triple use. Restriction is same as Power Inverter. Please refer to page 4.

PUHZ-BP100/125/140VHA

PUHZ-BP170/200/250YHA

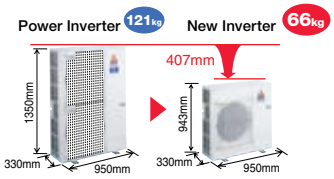
Easier Installation Work with a Compact and Lightweight Design

The outdoor unit Model BP100 is only 943mm high and at 66kg it weighs significantly 55kg less than the Power Inverter. Lighter weight and compact design ensures easier installation.

100 class

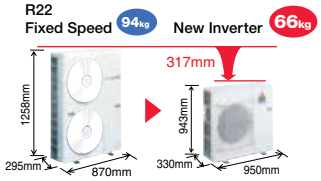
Compared to Power Inverter

Reduced by 407mm, 55kg



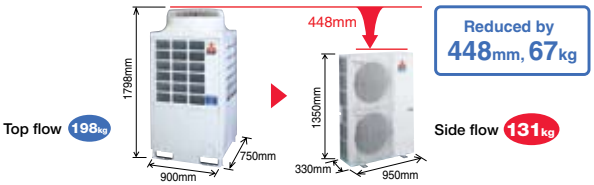
Compared to Fixed Speed Unit

Reduced by 317mm, 28kg



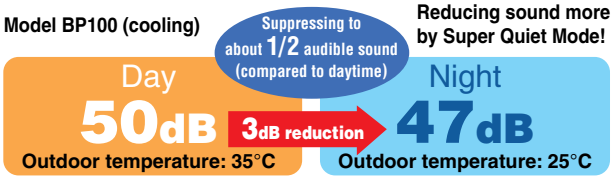
200 class

Compared to Previous Inverter



Super Quiet Outdoor Unit

Outdoor unit Model BP100 operates extremely quitely at 50dB (cooling) with a further 3dB reduction if in super quiet operation mode.



Heating Operation Possible Even at −15°C Outside Temperature

Piping Length for Easier Installation

Refrigerant piping can be extended up to 50m or 70m by charging with additional refrigerant.

	Chargeless piping length	Max. piping length
BP100	20m	50m
BP125/140	20m	50m
BP170/200/250	30m	70m

Another possibility! Compact S series outdoor units can now be connected to P series indoor unit as well.

S series outdoor unit can be connected not only with SLZ and SEZ but also some P series indoor units for even greater flexibility.

Possible Combinations

	SEZ-KD	SLZ-KA	PEA-EA	PCA-GA	PLA-BA
SUZ-KA25	●	●			
SUZ-KA35	●	●			
SUZ-KA50	●	●		●	
SUZ-KA60	●			●	●
SUZ-KA71	●		●	●	●

Outdoor Unit

SUZ-KA50/60/71VA

Indoor Unit

Ceiling Concealed PEA-EA

4 Way Ceiling Cassette PLA-BA

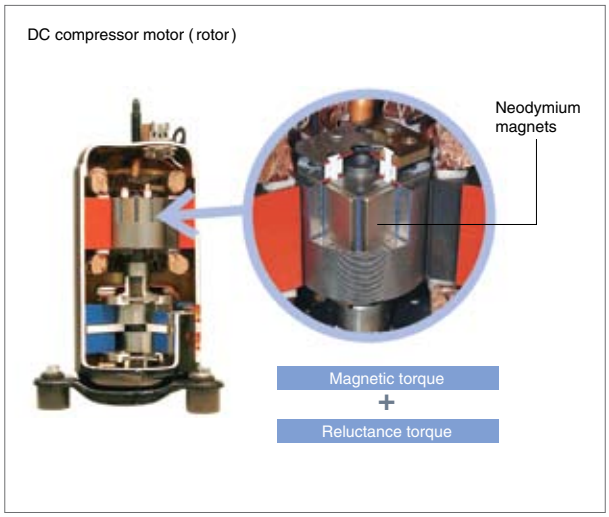
Under Ceiling PCA-GA

Advanced Technology for High Efficiency

Numerous Leading-Edge Technologies Assure High Efficiency

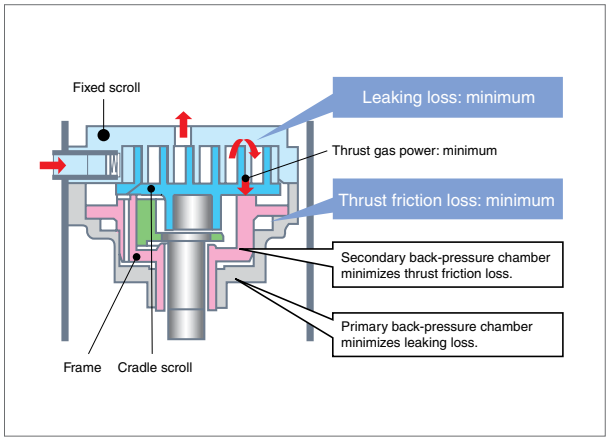
Reluctance DC Rotary Compressor (3HP)

The reluctance DC motor has a rotor equipped with powerful neodymium magnets. The magnetic torque produced by the neodymium magnets and reluctance torque results in more efficient operation.



New Highly Efficient Scroll Compressor (4/5/6/7/8/10HP)

The newly developed scroll compressor is equipped with a "Frame Compliance Mechanism" that allows movement in the axial direction of the frame supporting the cradle scroll. This greatly reduces both leakage and friction loss, ensuring very high efficiency throughout the speed range.



DC Fan Motor

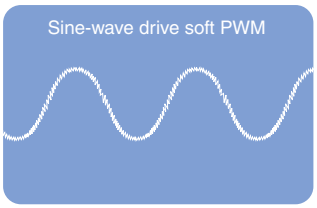
A high-efficiency DC motor drives the outdoor unit fan. It offers up to 60% greater efficiency than an equivalent AC motor.

Vector-Wave Eco Inverter

This produces the most efficient waveform in response to varying compressor motor rpm. By improving operating efficiency from low to high speeds, annual electricity costs are reduced.

Smooth AC wave pattern

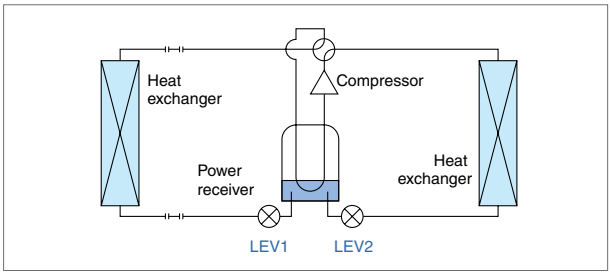
The inverter has been made compact by insert-moulding the circuit pattern in synthetic resin. To ensure quiet operation, soft PWM control is used to prevent the metallic whine associated with conventional inverters.



Power Receiver and Twin LEV Control

(4/5/6HP)

Mitsubishi Electric has developed a power receiver and twin LEVs (linear expansion valves) that optimise the performance of the compressor. By ensuring optimum control in response to the operating waveform and outdoor temperature, this technology is tailored to the characteristics of the new refrigerant which enhances operating efficiency.



Control Technology

Advanced air conditioning communication with the new MA Remote Controller

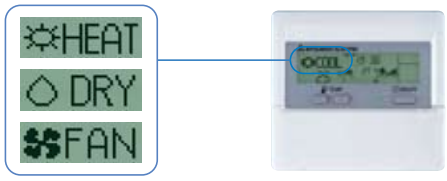
PAR-21MAA

Dot Liquid Crystal Display

The large display allows you to see the operation and control status at a glance.

Display example [Operation mode]

Dot liquid crystal display section



Easy-to-read / Easy-to-use

Industry First! Multi-language Display

1st in the Industry!

Multi-language

8 languages can be displayed.

Display can be switched to 8 different languages.

Effective energy saving control

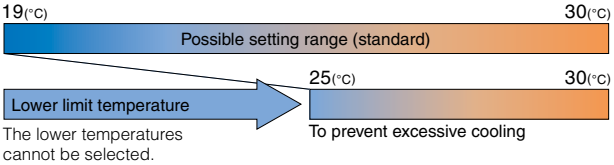
Operation Control Function

Limiting the set temperature range

Air conditioning operation always within a limited temperature range

Setting of the upper and lower temperature limits is possible. This prevents excessive cooling and heating thus saving energy.

COOL / DRY



The lower temperatures cannot be selected.

Recommend for use in Office Restaurant

Auto Off timer

Automatic air conditioning operation turn off

The air conditioning operation can be switched off automatically thus preventing excess operation. The set time can be changed from 30 minutes to 4 hours at 30-minute intervals.

* The “Simple Timer” (start and stop) can be set only once wihin a 72 hour period. This factory default setting may be changed to an “Auto off Timer” by accessing the controller function setting.

Recommend for use in Meeting room

Operation locking

Preventing random modification of setting

Allows you to disable all the buttons or all except ON/OFF button, preventing unauthorised operation.

* The change of setting may be limited to an administrator with access to control locking.

Recommend for use in Office School / private school Public facility like public hall Hospital Server room

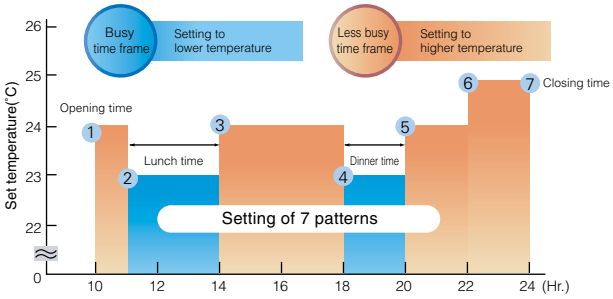
Equipped with the new Weekly Timer Function

Weekly timer function capable of temperature control
The weekly timer can change the set temperature in addition to the ON/OFF control, up to 8 times each day.

NEW PAR-21MAA-G
remote controller

Economical & Space saving

Setting Example (Restaurant in summer time)



*Result of cooperative study with Japan Facility Solution Co, Ltd.

Setting the temperature to "1°C higher in cooling" while "1°C lower in heating" results in about 10% energy saving.

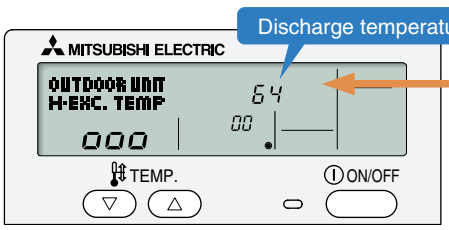
about 10%* Energy Saving

*Based on our internal calculation

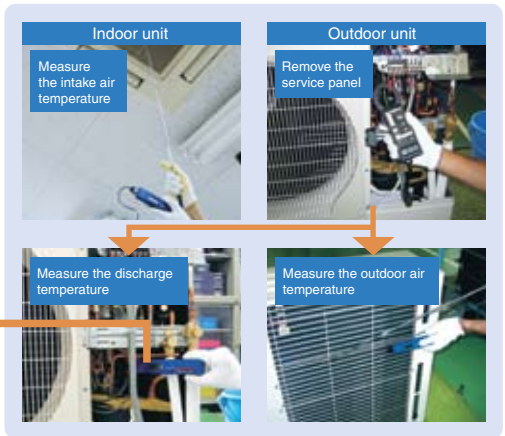
Easy Maintenance Function (only for Mr. SLIM Power Inverter)

POWER INVERTER

- Drastically reduces maintenance work.
- Enables you to check operation data of the indoor and outdoor units by remote controller. Furthermore, you can fix the operating frequency, from the remote controller for smoother inspection.



Conventional inspection work



Easy maintenance information

Compressor		Outdoor unit		Indoor unit	
①	Accumulated operating time (×10 hours)	④	Heat exchanger temperature (°C)	⑦	Intake air temperature (°C)
②	Number of ON/OFF times (×100 times)	⑤	Discharge temperature (°C)	⑧	Heat exchanger temperature (°C)
③	Operating current (A)	⑥	Outdoor air temperature (°C)	⑨	Filter operating time* (Hours)

*The filter operating time is the time elapsed since the filter was reset.

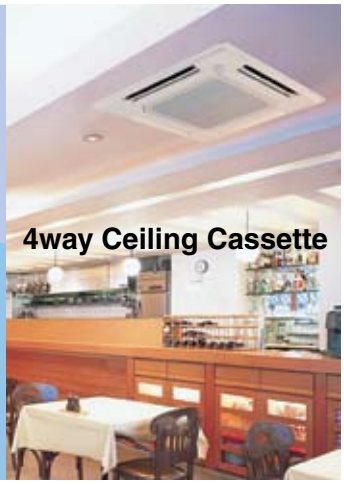
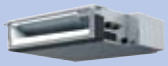
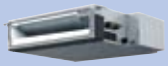
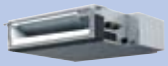
NEW Refrigerant Leakage Check (only for PUHZ-RP HA2)

POWER INVERTER

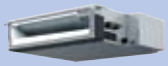
The latest Mr. SLIM "Power Inverter" (PUHZ-RP HA2) has a new useful "Refrigerant Leakage Check" function. With this function, refrigerant leakage which may happen during a long period of use can be easily checked with a wired remote controller. Not only can service time be saved, but you also have peace of mind.

INVERTER
Mr.SLIM Product Line up

(Nominal)

	2.5kW	3.5kW	5.0kW	6.0kW
 4way Ceiling Cassette	SLZ (Compact Cassette)	SLZ-KA25VA(L)	SLZ-KA35VA(L)	SLZ-KA50VA(L)	
	NEW PL (Wide Power Cassette)				PLA-RP60BA
Ceiling Concealed	NEW SEZ (Compact Type)	 SEZ-KD25VA(L)	 SEZ-KD35VA(L)	 SEZ-KD50VA(L)	SEZ-KD60VA(L)
	PE				
Ceiling Suspended	PC			PCA-RP50GA	PCA-RP60GA
Wall Mounted	PK				
Outdoor Unit		SUZ-KA25VA	SUZ-KA35VA	SUZ-KA50VA	SUZ-KA60VA

*SEZ/SLZ indoor units should be connected to SUZ outdoor.
*PKA-RP71 and PCA-RP71HA: only for PUHZ-RP outdoor connection.

7.1kW	10.0kW	12.5kW	14.0kW	17.0kW	20.0kW	25.0kW	Remote Controller	See Page
							for SLZ-VAL	17
PLA-RP71BA	PLA-RP100BA	PLA-RP125BA	PLA-RP140BA					11
 SEZ-KD71VA(L)							for SEZ-VAL	17
PEA-RP71EA	PEA-RP100EA2	PEA-RP125EA	PEA-RP140EA2	PEA-RP170WGA	PEA-RP200WGA	PEA-RP250WGA		13
PCA-RP71HA PCA-RP71GA	PCA-RP100GA	PCA-RP125HA PCA-RP125GA	PCA-RP140GA				Optional	14 15
PKA-RP71FAL	PKA-RP100FAL						Optional	16
SUZ-KA71VA PUHZ-RP71VHA2	PUHZ-RP100V/YHA2 PUHZ-BP100VHA	PUHZ-RP125V/YHA2 PUHZ-BP125VHA	PUHZ-RP140V/YHA2 PUHZ-BP140VHA	PUHZ-BP170YHA	PUHZ-BP200YHA	PUHZ-BP250YHA		

NEW

4Way Ceiling Cassette

PL Series

(i-see Sensor: optional)

PLA-RP60/71
100/125/140BA

Stylish and Advanced PL Series makes any area more comfortable!

Wide Airflow

With the re-designed horizontal vane we have achieved a wide-angled airflow pattern. This allows the room to be heated or cooled for more uniformity.

Conventional model

PLA-RP**BA

Less Cold Draught

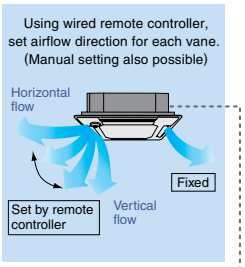
The new “chilly airflow prevent mode*” eliminates the problem of down draught during cooling operation.

*Setting by remote controller is required.

Horizontal airflow
cuts draughty sensation.

Independent Vane Direction Setting

Airflow direction of each vane can be set by wired remote controller. Previously, adjusting the direction to suit interior layouts or cooling/heating for seasonal transition was difficult. Now, with our PL Series, settings can be changed easily.

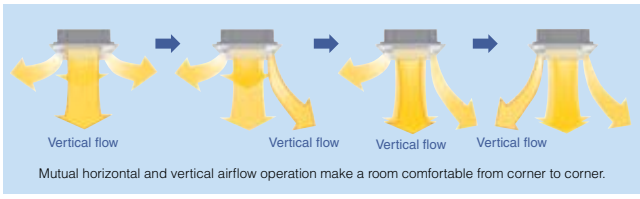

Using wired remote controller, set airflow direction for each vane. (Manual setting also possible)
Horizontal flow
Fixed
Set by remote controller
Vertical flow

With wired remote controller, possible to change the setting at any time.

Wave Airflow Mode for Heating

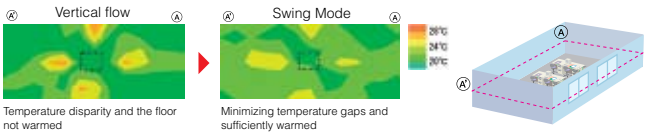
Each vane can swing automatically with a timelag for minimizing temperature differences in the room.

● **“Wave Airflow” operation image**



Mutual horizontal and vertical airflow operation make a room comfortable from corner to corner.

● **Wave control effect thermo graph**



Temperature disparity and the floor not warmed

Minimizing temperature gaps and sufficiently warmed

SPECIFICATIONS: 4Way Ceiling Cassette type (PLA) NEW

Indoor unit		PLA-RP60BA	
Outdoor unit		SUZ-KA60VA	
Function		Cooling	Heating
Capacity (min.-max.)	(kW)	5.7 (1.1-6.3)	6.9 (0.9-8.0)
Input	(kW)	1.94	2.11
Rated EER/COP*		2.94	3.27
Indoor unit		PLA-RP60BA	
Power supply			
Airflow (Lo-Mi1-Mi2-Hi)	(L/S)	200-233-267-300	
Sound pressure level	(dB)	28-29-31-32	
Dimension	Height (mm)		
	Width (mm)		
	Depth (mm)		
Weight	(kg)		

*Complies with AS/NZS 3823.2:2005 Clause 3.4 (Amdt1).

Auto Fan Speed Mode

The fan speed is changed automatically depending on the difference between set temperature and room temperature. In the case of cooling, the unit starts with 'Hi' fan speed and once the room temperature becomes stable, the fan speed automatically decreases to lower levels for more comfort and quieter operation.

Fan speed setting by remote controller (4 levels)

Lo → Mi1 → Mi2 → Hi → Auto

*Special setting is required for wireless remote controller.

Quiet Operation

The improvement of fan blade design and large fans ensures quiet and more efficient fan operation.

Power Flow Fan

"Pure White" Colour

Our new PL Series have beautiful pure white coloured panels and wired remote controller. A great match for most modern interiors, generating a clean and streamlined look.

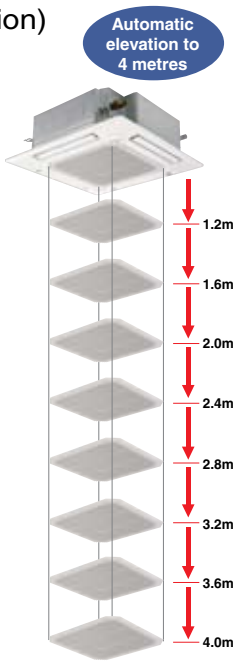
Automatic Elevating Panel (option)

Easy to use, easy for maintenance.
With 8 levels to fit all ceiling heights. Filter cleaning and other maintenance is easy. (Part No PLP-6BAJ)

Wireless elevating (up-down) controller

Wired remote controller (optional for Auto Elevating Panel)

*The receiver on the elevating panel can be used for wireless remote controller.

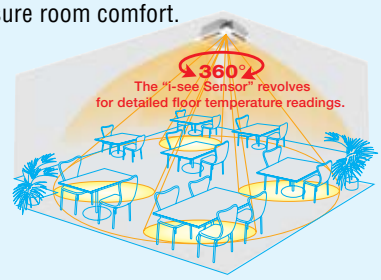


Other Features

- Stylish vane shutter (when the unit is off)
- Drain liftup–max. 850mm
- Wireless remote controller available
- Duct flange for fresh air intake (option)
- Branch duct connection
- Automatic elevating panel (option)

The newly developed 4Way Ceiling Cassette can be equipped with the radiant temperature sensor, "i-see Sensor" to ensure room comfort.

"i-see Sensor" helps remove temperature disparity and power waste (optional corner panel)

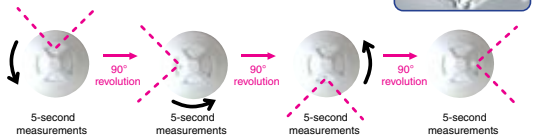


The radiant temperature sensor "i-see Sensor" for your comfort

The "i-see Sensor," a radiant temperature sensor built from latest concept engineering available only at Mitsubishi Electric. The control of floor temperature at foot level is required to achieve a comfortable air conditioning in your office or shop. The "i-see Sensor" measures floor temperature with a rotating 360° sensor.

■"i-see Sensor" operation image

Operates at 5-second intervals for precision measurement, and checking floor temperature.



- The "i-see Sensor" detects infrared rays emanating from the walls and floor. The temperature is calculated based on infrared ray energy making it possible to check the radiant temperature (floor temperature) when there is a large difference between the set and actual temperatures.
- Measurements are taken at 4 points every 2 minutes. Once stabilized, the sensor revolves once every 5 minutes.

"I feel" Temperature Control

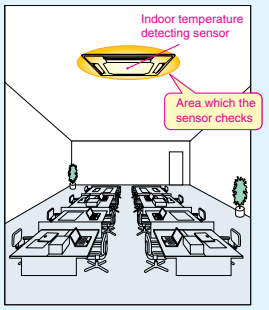
The sensory temperature is calculated by measuring the air intake temperature and the floor temperature. This technology makes it possible to avoid overcooling or overheating.

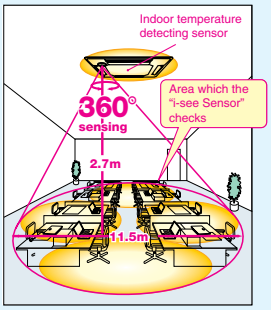
Conventional model only measures and monitors indoor temperature near the ceiling.

As the current packaged air conditioners only monitor temperature levels near the ceiling, they fail to detect difference between ceiling and floor temperatures.

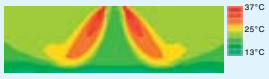
Besides the ceiling zone, the floor temperature is also checked to keep the room comfortable.

New PL Series (with "i-see Sensor") measures indoor temperature and floor temperature without any timelag.

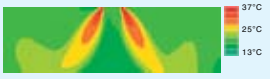




Heating
Set temperature: 23°C
without "i-see Sensor"



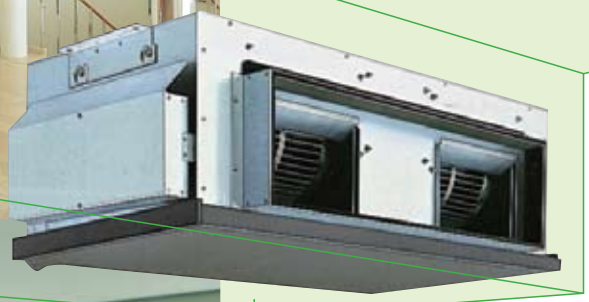
Heating
Set temperature: 20°C
with "i-see Sensor"+Auto Fan Speed



PLA-RP71BA		PLA-RP71BA		PLA-RP100BA		PLA-RP100BA		PLA-RP125BA		PLA-RP125BA		PLA-RP140BA		PLA-RP140BA	
SUZ-KA71VA		PUHZ-RP71VHA2		PUHZ-BP100VHA		PUHZ-RP100V/YHA2		PUHZ-BP125VHA		PUHZ-RP125V/YHA2		PUHZ-BP140VHA		PUHZ-RP140V/YHA2	
Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
7.1 (0.9-8.1)	8.0 (0.9-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	9.4 (3.5-10.0)	9.5 (3.5-11.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	11.2 (5.2-12.5)	12.5 (4.7-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	13.0 (5.2-14.5)	14.8 (4.7-16.0)	14.0 (5.5-15.3)	16.0 (5.0-18.0)
2.53	2.49	2.12	2.21	3.13	2.46	3.02	3.10	3.94	3.64	3.87	3.88	5.28	4.24	4.65	4.43
2.81	3.21	3.35	3.61	3.01	3..86	3.31	3.61	2.84	3.44	3.23	3.61	2.80	3.49	3.01	3.61
PLA-RP71BA		PLA-RP71BA		PLA-RP100BA		PLA-RP100BA		PLA-RP125BA		PLA-RP125BA		PLA-RP140BA		PLA-RP140BA	
Single phase, 50Hz, 220-240V															
233-267-300-350				334-384-434-501				367-417-467-517				400-434-484-534			
28-30-32-34				32-34-37-40				34-36-39-41				36-39-42-44			
Unit: 258, Panel: 35				Unit: 298, Panel: 35											
Unit: 840, Panel: 950															
Unit: 840, Panel: 950															
Unit: 23, Panel: 6				Unit: 25, Panel: 6								Unit: 27, Panel: 6			

Ceiling Concealed PE Series

PEA-RP71EA/100EA2

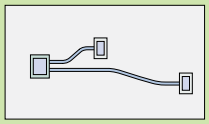


PEA-RP125EA/140EA2
PEA-RP170/200/250WGA

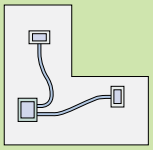
This flexible, high-quality series, which is concealed in the ceiling to enhance interior aesthetics, provides all the benefits of split-type models plus much more.

Limitless Installation Possibilities

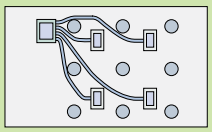
Offering all the benefits of split-type models plus other important advantages, the PE series is not only easy to install but also very versatile. For example, the distance between the air-intake and air-outlet vents can be varied to allow airflow to be positioned in the optimum location.



■ Long-rectangular room



■ L-shaped room



■ Room with fixed ceiling fixtures

High Static Pressure

Even when ductwork is very long, the volume of airflow remains large enough due to the high static pressure available.

Computerized Dehumidification

The electronic dehumidifier mode — where fan speed is controlled precisely—increases dehumidification volume while improving dehumidifying efficiency.

SPECIFICATIONS: Ceiling Concealed type (PE)

Indoor unit		PEA-RP71EA		PEA-RP71EA		PEA-RP100EA2		PEA-RP100EA2		PEA-RP125EA		PEA-RP125EA	
Outdoor unit		SUZ-KA71VA		PUHZ-RP71VHA2		PUHZ-BP100VHA		PUHZ-RP100V/YHA2		PUHZ-BP125VHA		PUHZ-RP125V/YHA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	6.9 (0.9-8.1)	8.0 (0.9-10.2)	7.1 (3.3-8.1)	8.4 (3.5-10.2)	9.2 (3.5-10.0)	9.5 (3.5-11.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	11.2 (5.2-12.5)	12.5 (4.7-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)
Input	(kW)	2.90	2.49	2.48	2.51	3.82	3.02	3.25	3.20	4.65	4.07	4.42	4.07
Rated EER/COP*		2.34	3.08	2.73	3.21	2.41	3.31	2.97	3.33	2.31	3.22	2.69	3.31
EER **Partload** see*		**3.04**				**2.94**				**2.86**		**3.43**	
Indoor unit		PEA-RP71EA		PEA-RP71EA		PEA-RP100EA2		PEA-RP100EA2		PEA-RP125EA		PEA-RP125EA	
Power supply		Single phase, 50Hz, 220-240V											
Airflow (Lo-Hi)	(L/S)	367-450				450-567				567-700			
External static pressure Pa (mmAq)		125Pa (12.7mmAq)											
Sound pressure level	(dB)	52-55				54-58							
Dimension	Height (mm)	428				428				428			
	Width (mm)	785				1,055				1,255			
	Depth (mm)	690											
Weight	(kg)	46				59				72			

Indoor unit		PEA-RP140EA2		PEA-RP140EA2		PEA-RP170WGA		PEA-RP200WGA		PEA-RP250WGA	
Outdoor unit		PUHZ-BP140VHA		PUHZ-RP140V/YHA2		PUHZ-BP170YHA		PUHZ-BP200YHA		PUHZ-BP250YHA	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	13.0 (5.2-15.2)	14.8 (4.7-17.4)	14.0 (5.5-15.3)	16.0 (5.0-18.0)	17.0 (9.0-21.0)	20.0 (9.5-23.5)	19.0 (9.0-22.4)	22.4 (9.5-25.0)	22.0 (11.2-28.0)	25.0 (12.5-31.5)
Input	(kW)	5.39	4.48	5.03	4.51	7.30	7.18	7.30	7.18	8.53	7.58
Rated EER/COP*		2.34	3.39	2.67	3.50	2.53	3.01	2.53	3.01	2.49	3.21
EER **Partload** see*		**2.91**		**3.26**		**3.19**		**3.19**		**3.07**	
Indoor unit		PEA-RP140EA2		PEA-RP140EA2		PEA-RP170WGA		PEA-RP200WGA		PEA-RP250WGA	
Power supply		Single phase, 50Hz, 220-240V				Three phase, 50Hz, 380-415V					
Airflow (Lo-Hi)	(L/S)	800-1000				800-1000				1067-1333	
External static pressure Pa (mmAq)		125Pa (12.7mmAq)				150Pa (15mmAq)					
Sound pressure level	(dB)	51-55				47-51				53-55	
Dimension	Height (mm)	428				465					
	Width (mm)	1,415				1,600					
	Depth (mm)	690				614					
Weight	(kg)	76				74				80	

*Complies with AS/NZS 3823.2:2005 Clause 3.4 (Amdt1).

Stainless steel model for kitchens
and stylish shops.
With easy maintenance feature.

Professional Kitchen Use
Ceiling Suspended NEW
PC Series

PCA-RP71/125HA

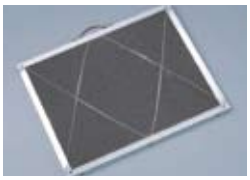
Tough on Oily Smoke

The external casing is made of durable stainless steel that is resistant to oil so that even grimy dirt and stains can be easily removed to keep the unit clean at all times.

High-Performance Oil Mist Filter

The oil mist filter offers 1.5 times* more filtration efficiency compared to conventional types and this helps to reduce the amount of oily smoke entering the air conditioner. The filter is disposable for hassle-free cleaning and can be easily removed by sliding out the handle towards you.

*Approximate figure



■ Oil mist filter

■ Pull the handle to easily slide the filter out

Easy Maintenance for Fan Cleaning

The adoption of a fan casing that can be separated into different sections allows easy fan cleaning. The drain pan can also be cleaned easily on-site as the pipe connector can be quickly removed.

Bring Outside Air in for Fresher Air Conditioning (optional)

The rear panel has a knockout opening that can be used to bring fresh air into the unit. This helps to improve ventilation in the kitchen.

optional

SPECIFICATIONS: Ceiling Suspended type (PCA)

Indoor unit		PCA-RP71HA		PCA-RP125HA		PCA-RP125HA	
Outdoor unit		PUHZ-RP71VHA2		PUHZ-BP125VHA		PUHZ-RP125V/YHA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	7.1 (3.3-8.1)	7.6 (3.5-10.2)	11.2 (5.2-12.5)	12.5 (4.7-14.0)	12.5 (5.5-14.0)	13.8 (5.0-16.0)
Input	(kW)	2.49	2.58	4.22	3.83	4.10	4.16
Rated EER/COP*		2.85	3.41	2.65	3.27	3.05	3.32
EER **Partload** see*				**3.68**			
Indoor unit		PCA-RP71HA		PCA-RP125HA		PCA-RP125HA	
Power supply		Single phase, 50Hz, 220-240V					
Airflow (Lo-Mi1-Mi2-Hi)	(L/S)	283-316		500-633			
Sound pressure level	(dB)	34-38		44-50			
Dimension	Height (mm)	280		280			
	Width (mm)	1,136		1,520			
	Depth (mm)	650					
Weight	(kg)	41		56			

*Complies with AS/NZS 3823.2:2005 Clause 3.4 (Amdt1)

Ceiling Suspended PC Series

PCA-RP50/60/71
100/125/140GA

optional

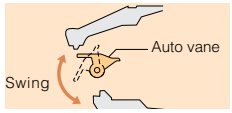
Designed for ultra-quiet operation and easy maintenance, the PC Series provides exceptional air conditioning.

Extra Slim, Extra Stylish

Sleek and slim with stylishly curved lines, the PC Series blends into any interior. It also features a single air outlet which allows the auto vane to act as a shutter when the unit is turned off.

Auto Vane distributes air evenly

The auto vane swings up and down automatically to distribute air more evenly to every corner of the room.



Keeps Airflow at Optimum Level according to ceiling height

The most suitable airflow can be selected for ceilings up to 3.5m high, enhancing air conditioning efficiency and comfort.

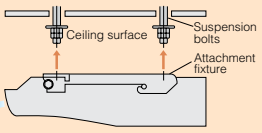
	Standard	High ceiling
Ceiling height	2.7m	3.5m

Greatly Simplified Installation

The new direct suspension system eliminates the task of removing the attachment fixture from the main unit, greatly shortening installation time.

Direct suspension with attachment fixture attached

1. Attach the washer and nuts to the suspension bolts.
2. Suspend the the main units to the suspension bolts.
3. Secure the nuts.



Drain Piping can be connected in one of two directions, to the left or the right of the unit.

(Drain water lift-up mechanism can be supplied as an optional part.)

SPECIFICATIONS: Ceiling Suspended type (PCA)

Indoor unit		PCA-RP50GA		PCA-RP60GA		PCA-RP71GA		PCA-RP71GA		PCA-RP100GA	
Outdoor unit		SUZ-KA50VA		SUZ-KA60VA		SUZ-KA71VA		PUHZ-RP71VHA2		PUHZ-BP100VHA	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	4.7 (1.1-5.4)	5.5 (0.9-6.6)	5.5 (1.1-6.3)	6.9 (0.9-8.0)	7.1 (0.9-8.1)	8.0 (0.9-10.2)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	9.4 (3.5-10.0)	9.5 (3.5-11.2)
Input	(kW)	1.80	1.92	1.92	2.05	2.53	2.49	2.14	2.43	3.46	2.74
Rated EER/COP*		2.61	2.86	2.86	3.37	2.81	3.21	3.32	3.29	2.75	3.47
EER **Partload** see *		**3.51**									
Indoor unit		PCA-RP50GA		PCA-RP60GA		PCA-RP71GA		PCA-RP71GA		PCA-RP100GA	
Power supply		Single phase, 50Hz, 220-240V									
Airflow (Lo-Mi1-Mi2-Hi)	(L/S)	167-183-200-217		233-250-267-300						333-350-383-417	
Sound pressure level	(dB)	37-38-40-42		37-39-41-43						40-41-43-45	
Dimension	Height (mm)	210								270	
	Width (mm)	1,000		1,310							
	Depth (mm)	680									
Weight	(kg)	27		34						37	

Indoor unit		PCA-RP100GA		PCA-RP125GA		PCA-RP125GA		PCA-RP140GA		PCA-RP140GA	
Outdoor unit		PUHZ-RP100V/YHA2		PUHZ-BP125VHA		PUHZ-RP125V/YHA2		PUHZ-BP140VHA		PUHZ-RP140V/YHA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	10.0 (4.9-11.4)	11.2 (4.5-14.0)	11.2 (5.2-12.5)	12.5 (4.7-14.0)	12.5 (5.5-14.0)	14.0 (5.0-16.0)	13.0 (5.2-14.5)	14.8 (4.7-16.0)	14.0 (5.5-15.3)	16.0 (5.0-18.0)
Input	(kW)	2.92	3.26	4.08	4.26	3.88	4.11	5.41	4.59	4.65	4.60
Rated EER/COP*		3.29	3.44	2.76	2.93	3.22	3.41	2.42	3.22	3.01	3.48
EER **Partload** see*								**4.12**			
Indoor unit		PCA-RP100GA		PCA-RP125GA		PCA-RP125GA		PCA-RP140GA		PCA-RP140GA	
Power supply		Single phase, 50Hz, 220-240V									
Airflow (Lo-Mi1-Mi2-Hi)	(L/S)	333-350-383-417		450-500-533-567							
Sound pressure level	(dB)	40-41-43-45		41-43-45-46				42-44-46-48		42-44-46-48	
Dimension	Height (mm)	270									
	Width (mm)	1,310		1,620							
	Depth (mm)	680									
Weight	(kg)	37		43				45			

*Complies with AS/NZS 3823.2:2005 Clause 3.4 (Amdt1).

Wall Mounted PK Series

Elegant design and compact dimensions are ideal for offices, stores and residential uses.

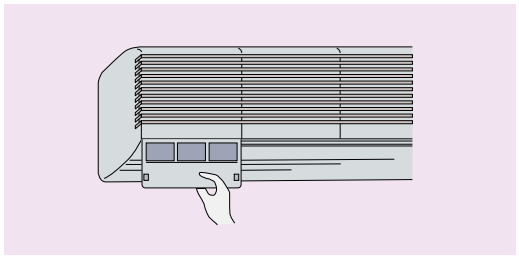
Auto-flap Shutter Enhances Design Look

PKA-RP71/100FAL

The Intake Grille Filter Can be Completely Removed Allowing Easy Cleaning

(Can be washed in water)

Filter slides out



4-way Piping Provides more Flexibility when Selecting Installation Sites

Wired Remote Controller Available

(Optional)

A wired remote controller and terminal block are available to suit various installation sites.
(sold separately)

optional

SPECIFICATIONS: Wall Mounted type (PKA)

Indoor unit		PKA-RP71FAL		PKA-RP100FAL		PKA-RP100FAL	
Outdoor unit		PUHZ-RP71VHA2		PUHZ-BP100VHA		PUHZ-RP100V/YHA2	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	7.1 (3.3-8.1)	8.0 (3.5-10.2)	9.4 (3.5-10.0)	9.5 (3.5-11.2)	10.0 (4.9-11.4)	11.2 (4.5-14.0)
Input	(kW)	1.98	2.40	3.37	2.76	2.93	3.25
Rated EER/COP*		3.59	3.33	2.79	3.44	3.41	3.45
Indoor unit		PKA-RP71FAL		PKA-RP100FAL		PKA-RP100FAL	
Power supply		Single phase, 50Hz, 220-240V					
Airflow (Lo-Mi1-Mi2-Hi)	(L/S)	250-333		367-467			
Sound pressure level	(dB)	39-45		41-46			
Dimension	Height (mm)	340					
	Width (mm)	1,400		1,680			
	Depth (mm)	235					
Weight	(kg)	24		28			

*Complies with AS/NZS 3823.2:2005 Clause 3.4 (Amdt1).

NEW

Compact 4Way Cassette Compact Ceiling Concealed

SLZ/SEZ Series

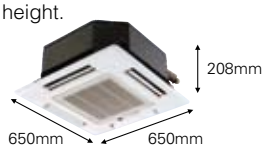
Our super-quiet compact indoor unit, with cutting edge remote control. Comfortable operation for any area.

SLZ-KA25/35/50VA (L)

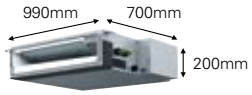
SEZ-KD25/35/50/60/71VA (L)

Compact Design

Models for any room in the house. For ceiling installations, the SLZ compact cassette, is a perfect fit. The ceiling concealed model, the SEZ Series, compresses installation space to only 200mm in height.



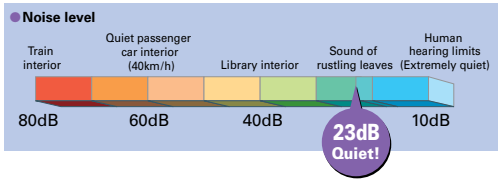
SLZ-KA25/35/50



SEZ-KD35/50

Very Quiet Operation

The S Series, for super-quiet operation of 23dB (SEZ-KD25/35).



Energy Saving

Low energy consumption – a must for today's air conditioners. The SLZ/SEZ Series are the key to cost-effective air comfort.

Air-Cleaning Filter (SLZ Models)

This built-in filter removes dust and contaminants, maintaining fresh air all the time. Maintenance is as simple as vacuuming. Additionally SLZ Series have a long life filter which lasts approximately 2500 hours before requiring replacment.

SLZ-VAL

SEZ-VAL

SLZ-VAL/SEZ-VA

SPECIFICATIONS: Compact 4Way Cassette type/Compact Ceiling Concealed type (SLZ, SEZ)

Indoor unit		SLZ-KA25VA (L)		SLZ-KA35VA (L)		SLZ-KA50VA (L)		SEZ-KD25VA (L)		SEZ-KD35VA (L)		SEZ-KD50VA (L)		SEZ-KD60VA (L)		SEZ-KD71VA (L)	
Outdoor unit		SUZ-KA25VA		SUZ-KA35VA		SUZ-KA50VA		SUZ-KA25VA		SUZ-KA35VA		SUZ-KA50VA		SUZ-KA60VA		SUZ-KA71VA	
Function		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity (min.-max.)	(kW)	2.5 (0.9-3.2)	3.0 (0.9-4.5)	3.5 (1.0-3.9)	4.0 (0.9-5.0)	4.6 (1.1-5.2)	5.0 (0.9-6.5)	2.5 (0.9-3.2)	3.0 (0.9-4.5)	3.5 (1.0-3.9)	4.0 (0.9-5.0)	5.0 (1.1-5.6)	6.0 (1.1-7.2)	5.5 (1.1-6.3)	7.0 (0.9-8.0)	7.1 (0.9-8.3)	8.1 (0.9-10.4)
Input	(kW)	0.69	0.83	1.06	1.10	1.63	1.55	0.778	0.83	1.09	1.108	1.78	1.87	1.89	2.05	2.53	2.37
Rated EER/COP**		3.62	3.61	3.30	3.64	2.82	3.22	3.21	3.61	3.21	3.61	2.81	3.21	2.91	3.41	2.81	3.42
Indoor unit		SLZ-KA25VA (L)		SLZ-KA35VA (L)		SLZ-KA50VA (L)		SEZ-KD25VA (L)		SEZ-KD35VA (L)		SEZ-KD50VA (L)		SEZ-KD60VA (L)		SEZ-KD71VA (L)	
Power supply		Single phase, 50Hz, 230V															
Airflow (Lo-Mid-Hi)	(L/S)	133-150-167		133-150-183				92-117-150		117-150-183		167-208-250		200-250-300		200-267-333	
External static pressure Pa (mmAq)		0										5-15-35-50					
Sound pressure level	(dB)	28-31-37		29-33-38		30-34-39		23-26-30		23-28-33		30-34-37		30-34-38		30-35-40	
Dimension	Height (mm)	unit: 208, panel: 20						200									
	Width (mm)	unit: 570, panel: 650						790		990				1,190			
	Depth (mm)	unit: 570, panel: 650						700									
Weight	(kg)	unit: 16.5, panel: 3						18		21		23		27			

*SLZ-KA VAL and SEZ-KD VAL are fitted with a wireless remote controller, whilst the SLZ-KDVA and SEZ-KDVA are fitted with a wired controller.

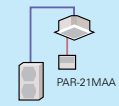
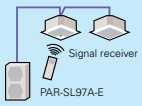
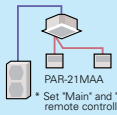
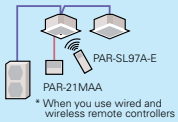
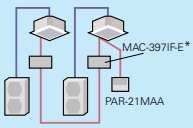
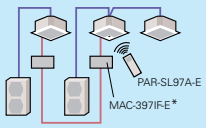
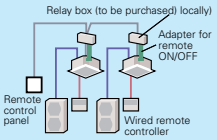
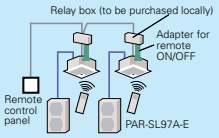
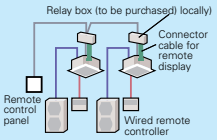
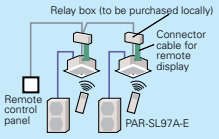
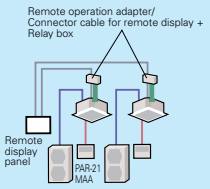
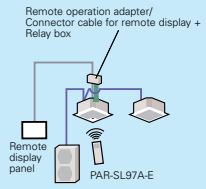
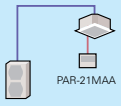
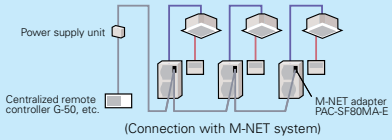
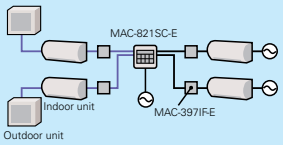
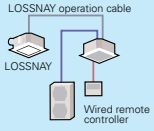
**Complies with AS/NZS 3823.2:2005 Clause 3.4 (Amdt1).

Main features of Mr.SLIM (Inverter Range)

Name of function		Explanation	PLA	PEA	PKA	PCA
Control	Weekly timer		●	●	●	●
	Lossnay connectable	Connection with Lossnay via optional adapter.	●	●	●	●
	System control		●	●	●	●
	M-NET connectable	Connection with centralized control via optional M-NET converter.	○	○	○	○
	Operation lock		●	●	●	●
	Limit setting temp.		●	●	●	●
	Auto off timer		●	●	●	●
Airflow	High ceiling airflow setting	If indoor unit is installed in a high ceiling, the airflow can be directed to reach the floor.	●	—	—	●
	72 airflow patterns	According to the room layout, ideal airflow pattern can be selected.	●	—	—	—
	Auto vane shutter	When operation is stopped, air flap is automatically closed.	●	—	●	●
	Auto swing airflow	The vane moves up and down automatically for comfortable air distribution.	●	—	●	●
	Multiple fan speed	4 fan speed can be selected.	●	—	—	●
	Multiple fan speed	2 fan speed can be selected.	—	●	●	—
Comfort	Auto C/H changeover	Operation of cooling or heating is automatically changed according to set conditions.	●	●	●	●
	Computer dehumidification		●	●	●	●
	Hot start	No cool airflow when heating operation is started.	●	●	●	●
	Quiet operation		●	●	●	●
	Fresh air intake		●	—	—	—
Maintenance	Easy maintenance function		●	●	●	●
	Self-diagnostic display on R/C	From remote controller, error code can be checked.	●	●	●	●
	Long life filter		●	—	—	●
	High efficiency filter (Optional)		○	—	—	○
	Filter sign	On remote controller, user can check when to replace the filter.	●	—	—	●
	Easy filter cleaning	Filter can be removed easily.	●	—	●	—
	Handy corner pocket	From this pocket, maintenance work can be done without removing the panel.	●	—	—	—
	Simplified drain pan cleaning	Drain pan can be cleaned without removing the panel.	●	—	—	—
Installation	Chargeless system		●	●	●	●
	Drain water lift up		●	—	○	○
	Function setting by remote controller		●	●	●	●
	Test operation from outdoor unit	PUHZ only	●	●	●	●
Others	Multiple system		●	●	●	●
	Low temp. operation		●	●	●	●
	Auto restart function		●	●	●	●

●Standard ○Optional

System Controls (P Series) Versatile system controls can be achieved by using optional parts, relay circuits, control panels, etc.

	System examples		Details	Major optional parts required
	Wired remote controller	Wireless remote controller		
A 1-remote controller Standard System	 (Example of 1 : 1 system)	 (Example of Simultaneous Twin)	• Either wired type or wireless type remote controller can be used.	None
B 2-remote controller With 2 remote controllers, control can be performed locally and remotely from 2 locations.	 (Example of 1 : 1 system)	 (Example of Simultaneous Twin)	• Up to 2 remote controllers can be connected to 1 group. • Both wired and wireless remote controllers can be used in combination.	• Wired Remote Controller **PAR-21MAA** • Wired Remote Controller Kit for PKA **PAR-21MAAT-E** • Wireless Remote Controller **PAR-SL97A-E** • Wireless Remote Controller Kit for PCA **PAR-SL99B-E**
C Group Control One remote controller can control several air conditioners simultaneously under a same setting. * The setting of the refrigerant address is required for outdoor units.	 (Example of 1 : 1 system x 2)	 (Example of 1 : 1 + Simultaneous Twin)	• One remote controller can control up to 16 refrigerant systems. • Outdoor unit can be started/stopped (thermostat ON/OFF) individually. • Up to 2 remote controllers can be connected.	• **MAC-397IF-E** is required for each indoor unit if the outdoor unit is SUZ or MXZ. (If the outdoor unit is P series, no optional parts are required.)
D Operation Control by Level Signal (DC12V) Air conditioner can be started/stopped remotely. In addition, the ON/OFF by local remote controller can be prohibited/permitted.	 (Example of 1 : 1 system x 2)	 (Example of 1 : 1 system x 2)	• Operation other than ON/OFF (adjustment of temperature, fan speed, and air direction, for example) can be performed even when remote controller operation is prohibited. • Timer control is possible with an external timer.	• Adapter for remote ON/OFF **PAC-SE55RA-E** • Relay box (to be purchased locally) • Remote control panel (to be purchased locally)
E Operation Control by Pulse Signal	 (Example of 1 : 1 system x 2)	 (Example of 1 : 1 system x 2)	• The pulse signal can be turned ON/OFF. • Operation/Fault signal can be received at another location (DC 12V signal).	• Connector cable for remote display **PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E)** • Relay box (to be purchased locally) • Remote control panel (to be purchased locally)
F Remote Display of Operating Status Operating status can be displayed remotely.	 (Example of 1 : 1 system)	 (Example of Simultaneous Twin)	• Operation/Fault signal can be received at a distant (when channeled through the **PAC-SF40RM** → no-voltage signal, when channeled through the **PAC-SA88HA-E** → DC 12V signal).	• Remote display panel (to be purchased locally) • Connector cable for remote display **PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E)** • Relay box (to be purchased locally) • Remote operation adapter **PAC-SF40RM** *Unable to use with wireless remote controller • Remote display panel (to be purchased locally)
G Timer Operation Allows ON/OFF with timer *For control by external timer, refer to D Operation Control by Level Signal.	 (Example of 1 : 1 system)		• **Weekly timer:** ON/OFF and up to 8 temperature patterns can be set for each calendar day. (Initial setting) • **Simple timer:** ON/OFF can be set once each within 72 hr. in a unit of one hour. • **Auto-off timer:** Operation will be switched off after a set time has elapsed. Set time can be changed from 30 min. to 4 hr. at 30 min. intervals. *Simple timer and Auto off timer cannot be used at the same time.	Standard functions of **PAR-21MAA**
H Centralized Control Centralized control of dispersed air conditioning equipment allows effective monitoring/controlling.	 (Connection with M-NET system)		• Mounting the adapter for M-NET connection to the outdoor unit allows MELANS (M-NET system) connection. • Allows centralized control by MELANS.	M-NET adapter: **PAC-SF80MA-E**
<Outdoor unit: SUZ or MXZ> Up to 8 indoor units can be switched ON/OFF with one remote controller.			• Centralized remote controller can be connected to each indoor unit via interface. • Individual ON/OFF and switching OFF at a time is possible with centralized controller. The ON/OFF status of each unit can be confirmed by the LED on the centralized remote controller.	• **MAC-397IF-E** (Interface) • **MAC-821SC-E** (Centralized remote controller)
I Interlocking with LOSSNAY LOSSNAY can be controlled with remote controller	 (Example of 1 : 1 system)		• LOSSNAY can be connected to the indoor unit.	SLIM-LOSSNAY connection cable

Specifications: Outdoor unit

Outdoor unit							
			SUZ-KA25VA	SUZ-KA35VA	SUZ-KA50VA	SUZ-KA60VA	SUZ-KA71VA
External finish			Munsell 3.0Y 7.8/1.1				
Power supply			Single phase, 50Hz, 230V				
Compressor output		(kW)	0.55	0.65	0.85		1.3
Airflow <cool/heat>		(L/S)	568 / 534	551	818		
Sound pressure level (dB)	Cooling		46	47	53		
	Heating		46	48	55		
Sound power level		(dB)	59	61	68		
Dimension	Height	(mm)	550		850		
	Width	(mm)	800		840		
	Depth	(mm)	285		330		
Weight		(kg)	33	37	53		58
Changeless piping length		(m)	7				
Max. piping length		(m)	20		30		
Breaker size		(A)	10		20		

*These figures are only outdoor unit.

Outdoor unit						
			PUHZ-RP71VHA2	PUHZ-RP100V/YHA2	PUHZ-RP125V/YHA2	PUHZ-RP140V/YHA2
External finish			Munsell 3.0Y 7.8/1.1			
Power supply			V: Single phase, 50Hz, 220-240V Y: 3 phase, 50Hz, 380-415V			
Compressor output		(kW)	1.6	1.9	2.4	2.9
Airflow		(L/S)	920	1670		
Sound pressure level (dB)	Cooling mode		47	49	50	50
	Silent mode		44	46	47	48
	Heating mode		48	51	52	52
Sound power level		(dB)	66	69	70	71
Dimension	Height	(mm)	943	1350		
	Width	(mm)	950	950		
	Depth	(mm)	330+30	330+30		
Weight		(kg)	75	121	116	
Changeless piping length		(m)	30	30		
Max. pipng length		(m)	50	75		
Protection device			Discharge thermo, HP switch	Discharge thermo, HP switch		
Rated running current <cool/heat>		(A)	8.04/9.74	V: 12.53/12.39 Y: 4.08/4.03	V: 15.53/15.98 Y: 5.04/5.20	V: 19.65/19.92 Y: 6.37/6.46
Breaker size		(A)	25	V: 32 Y: 16	V: 32 Y: 16	V: 40 Y: 16

*These figures are only outdoor unit.

Outdoor unit								
			PUHZ-BP100VHA	PUHZ-BP125VHA	PUHZ-BP140VHA	PUHZ-BP170YHA	PUHZ-BP200YHA	PUHZ-BP250YHA
External finish			Munsell 3Y 7.8/1.1					
Power supply			Single phase, 50Hz, 220-240V			3 phase, 50Hz, 380-415V		
Compressor output		(kW)	2.0	3.4	3.9	4.7		5.5
Airflow		(L/S)	1000	1170		2167		
Sound pressure level (dB)	Cooling mode		50	52	54	59		
	Silent mode		47	49	51	56		
	Heating mode		54	55	56	59		
Sound power level		(dB)	70	72	74	77		
Dimension	Height	(mm)	943			1350		
	Width	(mm)	950			950		
	Depth	(mm)	330+30			330+30		
Weight		(kg)	66	80	84	126		133
Changeless piping length		(m)	20			30		
Max. pipng length		(m)	50			70		
Protection device			Discharge thermo, HP switch			Shell thermo, HP switch		
Rated running current <cool/heat>		(A)	15.26/11.68	18.24/15.64	19.46/15.38	9.47/9.88		11.0/12.0
Breaker size		(A)	25	32	40	32		

*These figures are only outdoor unit.

Notes for All Specifications

Rating conditions (AS/NZS 3823)
Cooling - Indoor: 27°C (80° F) DB, 19°C (66° F) WB
Outdoor: 35°C (95° F) DB
Heating - Indoor: 20°C (68° F) DB
Outdoor: 7°C (45° F) DB, 6°C (43° F) WB
Refrigerant piping length (one-way); 5m (16ft.)

Total input based on the indicated voltage (indoor/outdoor)

	Indoor	Outdoor
50Hz	Single phase, 230V	Single phase, 230V / 3 phase, 400V

Guaranteed Operating Range

		SUZ-KA		PUHZ
		25/35	50/60/71	all
Cooling	Upper limit	46°C	43°C	46°C
	Lower limit	−10°C	−15°C	−5°C (−15°C *1)
Heating	Upper limit	24°C	24°C	21°C
	Lower limit	−15°C	−15°C	−20°C *2

*1 With the optional air outlet guide, operation at −15°C outdoor temperature is possible.
*2 −11°C for PUHZ-RP71. −15°C for PUHZ-BP100/125/140.

Joint Pipe	ø9.52 → ø12.7	PAC-SG73RJ-E	PUHZ-RP71
	ø15.88 → ø19.05	PAC-SG75RJ-E	PUHZ-RP100/125/140

Optional Parts

Part Name	Model Name	Application Name
Air Outlet Guide	PAC-SG59SG-E	All PUHZ
Air Outlet Shutter Plate	PAC-SH51SP-E	PLA-RP
Air Protect Guide	PAC-SH63AG-E	All PUHZ
Automatic Elevating Return Air Panel	PLP-6BAJ	PLA-RP
Built-in Wireless Remote Control Receiver Kit	PAR-SA9FA-E	PLA-RP
Control / Service Tool	PAC-SK52ST-E	All PUHZ
Decoration Cover	PAC-SF81KC-E	PCA-RP71HA
	PAC-SF82KC-E	PCA-RP125HA
Distribution Pipe For Twin	MSDD-50SR-E	All PUHZ
Distribution Pipe For Twin	MSDD-50WR-E	
Distribution Pipe For Triple	MSDT-111R-E	
Distribution Pipe For Quadruple	MSDF-1111R-E	
Drain Pan	PAC-SG64DP-E	All PUHZ
Drain Pump	PAC-SE90DM-E	PKA-RP
	PAC-SH20DM-E	PCA-RP50/60
	PAC-SH21DM-E	PCA-RP71
	PAC-SH22DM-E	PCA-RP100/125/140
Drain Socket	PAC-SG61DS-E	All PUHZ
	MAC-851DS	SUZ-KA25/35
	MAC-811DS	SUZ-KA50/60/71
Duct Flange for Fresh Air	PAC-SF28OF-E	PCA-RP71/125HA
Filter Dryer ø9.52 (liquid)	PAC-SG82DR-E	PUHZ-RP71/100/125/140, BP170/200
Filter Dryer ø12.7 (liquid)	PAC-SG85DR-E	PUHZ-BP250

Part Name	Model Name	Application Name
Flange for Fresh Air Intake	PAC-SH65OF-E	PLA-RP
High Efficiency Filter	PAC-SE80KF-E	PCA-RP50GA
	PAC-SE81KF-E	PCA-RP60/71/100GA
	PAC-SE82KF-E	PCA-RP125/140GA
High Efficiency Filter Element	PAC-SH59KF-E	PLA-RP
"i-see Sensor" Corner Panel	PAC-SA1ME-E	PLA-RP
Joint Pipe ø9.52 → ø12.7	PAC-SG73RJ-E	PUHZ-RP71
Joint Pipe ø15.88 → ø19.05	PAC-SG75RJ-E	PUHZ-RP100/125/140
L-shape Connection Pipe	PAC-SC84PI-E	PKA-RP71
	PAC-SC86PI-E	PKA-RP100
M-NET Adapter	PAC-SF80MA-E	All PUHZ
Multi Function Casement	PAC-SH53TM-E	PLA-RP
Oil Mist Filter Element	PAC-SG38KF-E	PCA-RP71/125HA
Power Supply Terminal Kit	PAC-SG96HR-E	All P Series
Program Timer	PAC-SC32PTA	All PUHZ
Remote On/Off Adapter	PAC-SE55RA-E	All PUHZ
Remote Operation Adapter	PAC-SF40RM-E	All PUHZ
Remote Sensor	PAC-SE41TS-E	All PUHZ
Space Panel	PAC-SH48AS-E	PLA-RP
Wireless Remote Controller Kit	PAR-SL99B-E	PCA-RP
Wired Remote Controller Kit	PAR-21MAAT-E	PKA-RP
Wiring Replace Kit	PAC-SH52HR-E	PLA-RP

Refrigerant Piping

Capacity	Between indoor & outdoor units		Pipe size OD / mm (in.)	Thickness (mm)
	Max. height difference / m	Max. piping length / m		
SUZ-KA25	12	20	Liquid: ø6.35	t 0.8
			Gas: ø9.52	t 0.8
SUZ-KA35	12	20	Liquid: ø6.35	t 0.8
			Gas: ø9.52	t 0.8
SUZ-KA50	30	30	Liquid: ø6.35	t 0.8
			Gas: ø12.7	t 0.8
SUZ-KA60	30	30	Liquid: ø6.35	t 0.8
			Gas: ø15.88	t 1.0
SUZ-KA71	30	30	Liquid: ø9.52	t 0.8
			Gas: ø15.88	t 1.0
PUHZ-RP71	30	50	Liquid: ø9.52 (3 / 8)	t 0.8
			Gas: ø15.88 (5 / 8)	t 1.0
PUHZ-RP100/125/140	30	75	Liquid: ø9.52 (3 / 8)	t 0.8
			Gas: ø15.88 (5 / 8)	t 1.0
PUHZ-BP100/125/140	30	50	Liquid: ø9.52 (3 / 8)	t 0.8
			Gas: ø15.88 (5 / 8)	t 1.0
PUHZ-BP170/200	30	70	Liquid: ø9.52 (3 / 8)	t 0.8
			Gas: ø25.4	t 1.0
PUHZ-BP250	30	70	Liquid: ø12.7	t 0.8
			Gas: ø25.4	t 1.0

Amount of Refrigerant Required [R410A: kg]

Piping length	Factory charged	Additional charged					Calculation
	7m	10m	15m	20m	25m	30m	
SUZ-KA25	0.9	0.15	0.3	0.45	—	—	Xg = 30g/m × (length-5)
SUZ-KA35	1.05	0.15	0.3	0.45	—	—	
SUZ-KA50	1.6	0.06	0.16	0.26	0.36	0.46	Xg = 20g/m × (length-7)
SUZ-KA60	1.8	0.06	0.16	0.26	0.36	0.46	
SUZ-KA71	2.0	0.165	0.44	0.715	0.99	1.265	Xg = 55g/m × (length-7)

Piping length	Factory charged	Additional charged			
	10 - 30m	31 - 40m	41 - 50m	51 - 60m	61 - 75m
PUHZ-RP71	3.5	0.6	1.2	—	—
PUHZ-RP100/125/140	5.5	0.6	1.2	1.8	2.4

Piping length	Factory charged	Additional charged			
	10 - 20m	21 - 30m	31 - 40m	41 - 50m	51 - 60m
PUHZ-BP100	3.0	0.6	1.2	1.8	—
PUHZ-BP125	3.4	0.6	1.2	1.8	—
PUHZ-BP140	3.6	0.6	1.2	1.8	—

Piping length	Factory charged	Additional charged			
	10 - 30m	31 - 40m	41 - 50m	51 - 60m	61 - 70m
PUHZ-BP170/200	10.5	0.9	1.8	2.7	3.6
PUHZ-BP250	10.5	1.2	2.4	3.6	4.8

*The above values apply in the case of 1:1 connections.

Please Note:

Air Conditioners in this brochure contain and operate with refrigerant R410A and synthetic oils.
Before attempting any installation work you must read the installation instructions.
New tools, materials and procedures are required to install these products.
Under Australian Law, only persons suitably licensed are permitted to install and service air conditioning units.

Refer to Country, Commonwealth, State or Territory legislation, regulations and industry codes of practice, before installation of these products.
Recovery and disposal of waste material must comply with Country, Commonwealth, State or Territory guidelines.

Warm, even heat in winter and cool comfort in summer is only a phone call or click away.

Simply contact your nearest Mitsubishi Electric Specialist today and you can find out all there is to know about how to enhance your living environment. Our Specialists are fully qualified to give you all the right advice on which Mitsubishi Electric Air Conditioning System is right for you.

To locate your nearest Mitsubishi Electric Specialist go to our website

www.MitsubishiElectric.com.au

They will determine whether a Compact Inverter System or a Power Inverter System best suits your needs, both in comfort and efficiency. You can either visit one of our Specialist's Showrooms, or they will happily arrange for one of their Consultants to come to your home.

All Mitsubishi Electric Compact and Power Inverter Systems are MEPS (Minimum Efficiency Performance Standard) Compliant, so you can be sure that they will give you the performance and efficiency that they were designed to deliver.

Products in this brochure contain R410A refrigerant. Please refer to installation instructions before installation or servicing of this product.

Only licensed persons and companies qualified and experienced in the installation, service and repair of products containing refrigerants should be permitted to do so. The buyer must ensure that the person and/or company who is to install, service or repair the air conditioner has the necessary licences, qualifications and experience to perform the work. Suitable access for warranty and service is required. Refer to conditions of warranty on the Mitsubishi Electric website.

For future improvement, specifications, designs of product and availability are subject to change without notice. Please check with your dealer.

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Certificate Number 49385

Certificate Number EC97J1132

Mitsubishi Electric Shizuoka Works acquired ISO9001 certification under Series 9000 of the International Standard Organisation (ISO) based on a review of Quality warranties for the production of air conditioning equipment. The plant also acquired environmental management system standard ISO 14001 certification.

Publication effective September 2008. Specifications subject to change without notice. Printed in Australia.